the demand for commercial cars has begun to increase there has come to the tire manufacturer an increasing call for a tire equipment that will allow the attainment of the highest possible efficiency in the use of this class of car. says S. C. Cole, vice-president of the Fisk Rubber Company. "This call is natural, considering that the public has been educated by the use of pleasure cars containing all the speed, lightness, durability, &c., that could well be ex-

"Inasmuch as the car makers have depended very largely on the tiremakers for a satisfactory tire to aid them in the development and refinement of cars in general and also admitting that it required the pneumatic tire in order to reach this point of refinement, it is not surprising that further to refine the commercial car a tire equipment should he demanded to help out this line

"The first idea was that a solid tire was what was wanted and this is what has been in use on most commercial cars up to the present time. Experience, however, has taught that normal speeds cannot be attained by the use of solid tires, also that the vibration carried to all parts of the car where solid tires are used is so great as to wreck the mechanism long before a satisfactory length of life has been realized.

"It is, therefore, with the thought of making it possible successfully to carry heavy loads on pneumatic tires without making a tire so large in cross sectional diameter as to be cumbersome that the idea of mounting two or more smaller tires on the same wheel in dual or twin form has been considered.

"There is a limit of weight at which pneumatic tires, even duals, can be used. but for cars that have a capacity up to two or even two and a half tons and with the weight properly distributed it is being demonstrated that pneumatics will give good service and reduce the upkeep PALM BEACH MOTOR RACES. cost of the car sufficiently to realize a great saving when the increased daily mileage is considered

saving in weight of the car itself and this in turn will reduce many of the vexing questions that he now has to solve.

"Assuming that this type of car is operated one-half its time without load, it is safe to figure than if the dead load can be reduced the wear and tear on all parts of the car will be lessened and its life will of the car will be lessened and its life will be many starters for the coveted Palm. be reduced the wear and tear on all parts of the car will be lessened and its life will be likewise lengthened.

be likewise lengthened.

"A question that also has to be considered as the speed of this class of car is increased is how best to guard against accidents and consequent delays. As most of these are brought about by slipping and skidding on wet pavements in one case and by punctures and cuts in the other the application of twin or dual tires to the rear wheels safeguard these more than anything else that has been devised up to the present time. It is possible too that in case of the puncturing of one tire for a car to be driven a considerable distance with the single tire in service so as to save delay during a

plamond type is the solid rubber clincher tire manufactured especially for delivery cars and other light commercial machines.

The Diamond company is very optimistic as to the future of the commercial automobile, and to give the trade and user adequate attention in supplying stocks and maintaining of a strong guarantee of satisfaction is one nurrous to be antee of satisfaction is one purpose to be fulfilled by upward of fifty service stations now being established in important cen-tres, such as Albany, Newark, Washington,

RIFLE SHOOTING.

First Competition for Seventy-first Regiment Trophy at Seventh Regiment.

At the regular weekly meeting of the Seventh Regiment Rifle Club, held last Friday evening in the armory, the first competition for the Seventy-first Regiment

competition for the Seventy-first Regiment trophy was held. Company I team came out the winner with a score of 320. The high individual score of the match was made by Lance Corporal J. R. MacGuffle of Company G with a 6s.

The rapid fire match drew a large entry list and the scores were the best ever made in the armory under the rapid fire conditions. The rules governing the match call for five shots from the magazine in twenty seconds at each range. Private J. K. Boles made the remarkable score of 25 off shoulder, with a total of 46.

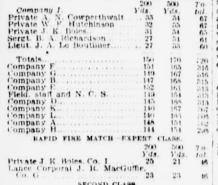
Lance Corporal MacGuffle made the same total, both scores equalling the armory record. Veteran J. P. Felt and Private A. N. Cowperthwait of Company I qualified as experts.

These men qualified as sharpshooters.

The scores:

BEVENTY FIRST REGIMENT TROPHY MATCH.

BEVENTY PIRST REGIMENT TROPHY MATCH.



SECOND CLASS.
Lieut J. A. L. Boutillier, Co. I. 19 23

EXPERT QUALIFICATIONS



G & J TIRE COMPANY, 1924 Broadway Distributors for Brooklyn, Oriental Rubber Company, 1140 Bedford Avenue

Annual Regatta to Be Held

March 14 to 17. "It will also be possible for the car manufacturer as soon as he knows that pneumatics will do the work to effect a saving in weight of the car itself and this

be many starters for the coveted Palm Beach prize of \$2,500 in gold. This prize will become the bona fide property of that motor boat owner who first succeeds in winning two contests for the same. The endurance race this year will be the

most of these are brought about by slipping and skidding on wet pavements in one case and by punctures and cuts in the other the application of twin or dual tires to the rear wheels safeguard these more than anything else that has been devised up to the present time. It is possible too that in case of the puncturing of one tire for a car to be driven a considerable distance with the single tire.

"The cost of keeping up pneumatics is also less, as in case of injury or wear to one tire only one replacement is necessary on a wheel, where with solids if a great deal of wear has taken place on the tread the diameter becomes reduced so that it becomes necessary to change both to bring about an even wearing tread surface.

"It is also possible where pneumatics are used on commercial cars to get the same efficiency out of a low powered motor as out of a high powered one with solids, and this will effect a very great saving in weight and make a much more economical car to run as both gasolene and oil consumption will be reduced as well as cost of repairs, &c.

"Taking all points into consideration, after a considerable number of experiments extending over a year or more I believe the time is near at hand when pneumatic tires will almost entirely supersede solids on cars up to and including two and a half tons carrying capacity."

SPLICELESS DIAMOND TIRES.

A Feature of Construction for Commerc.

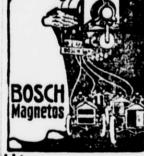
**Construction for Commerc

school now has two victories to its credit and no defeats registered. Church, rover, and Krans, left wing, scored the two goals in the last five minutes of play. The game was fast and for the most part in the loser's side of the field: but clever guarding by Glogan, the Grammar School goal, prevented scoring until the game was almost over proposed amendments to the association of Annapolis, Jan. 14.—The Naval Academy won from the University of Pennsylvania over proposed amendments to the association of the intervention over proposed amendments to the association of the intervention over proposed amendments to the association of the intervention over proposed amendments to the association of the intervention of the in

Goal
Polat
Coverpolat
Rover
Centre
Left wing School, C. Columbia Grammar School, C. Columbia Grammar School, C. Columbia Grammar School, C. Columbia Grammar Russel. Time of halves—15 minutes.

Eastern Handleap for Wilmington.

WILMINGTON, Del., Jan. 14. The Eastern Handicap, one of the greatest events of the year for marksmen, will be decided the year for marksmen, will be decided the year for marksmen, will be decided from the grounds of the Du Pont Gim Club near Wilmington. It is second only in importance to the Grand American only in imp



SEE THE EXHIBIT OF

BOSCH MAGNETOS

MADISON SQUARE GARDEN Space 224

The exhibit of the Bosch Magneto Company which attracted throngs during the past week will remain in Madison Square Garden for the Commercial Vehicle and Motorcycle part of the Show to be

Those desiring ignition information and advice will find a competent corp of engineers at the exhibit, who will explain the care and use of Bosch Magnetos.

65% of the pleasure cars exhibited at Madison Square Garden during last week are equipped with Bosch Magnetos. 72% of the cars exhibited at the Paris Show were equipped with Bosch Magnetos.

86% of the cars and motorcycles exhibited at the Olympia Show, London, were Bosch equipped.

"Specify Bosch Ignition for your car."

BOSCH MAGNETO COMPANY

cial Automobiles.

Spliceless construction is a feature of solid rubber tires for commercial cars exhibited by the Diamond Rubber Company. The argument is obviously that the tires cannot open at the splice and one possibility of weakness is thereby overcome. The wire mesh base tire is a leader in the Diamond group, having been made by this company since the earliest use of the motor driven vehicle for commercial purposes.

It is a quick detachable solid rubber tire, requiring no special tools for taking off or putting on the wheel. Another Diamond type is the solid rubber climber of the received and many clever manipulating of the planed two to the received and many clever manipulating of the ground and purposes. It is a quick detachable solid rubber climber fire, requiring no special tools for taking off or putting on the wheel. Another Diamond type is the solid rubber climber.

Spliceless construction is a feature of solid rubber closed as a feature of solid rubber claims and purposes. The substitution of the first solid rubber climber climber

stand and matter they did, but all to no purpose, and huste they did, but all to no purpose, and matter they did to the second place and all but got the grade of the Freeboaters did not allow them to make a scal, while they placed two to the redit of their own team. W. E. D. Stokes, Ir., when the took matters more easily He is the matter was in the low, and the standard and the first goal and deleted the standard and the standa

Defeat Stuyvesant High in Dual Meet in France Defeats Scotland at the Rugby Game to the Surprise of All Europe.

supersede solids on cars up to and including two and a half tons carrying capacity."

The members of the executive committee of the association are: H. C. Ward, Harrison B. Moore, James K. Clark, Lieut, H. L. Willoughby, H. E. Bemis, and the measurer, Clyde Yeomans of New York.

A Feature of Construction for Commeration for Commeration and A statements. CLEVER RIDING AT DURLAND'S.

ciation rules and also the place of the inter-collegiate games in May. The executive throughout and generally outplayed the committee last February recommended visitors. Both teams covered up well and that the meet be given to Syracuse, but showed excellent team work, but the midin view of the heavy track at that piace shipmen were somewhat faster and by in view of the heavy track at that pince shipmen were somewhat faster and by this recommendation will be reconsidered and discussed to-day. There is also a probability of changes in rules in the broad jump and hurdles. The committee has only power to recommend these changes at this time. According go the L.C. A. A. rules they must be sent out to all the colleges at least thirty days before the annual convention in February.

M. K. Rankin of Princeton will call the meeting to order this afternoon. Andrew Ten Eyck of New York University will act as secretary. The advisory committee the will be represented by Gustavus T. Kirby, Columbia; Thornton Gerrish, Harvard, and Romeyn Berry, Cornell. The executive committee will be made up of Richard, and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry, Cornell. The executive committee will be made up of Richard and Romeyn Berry Cornell. The executive committee will be made up of Richard and Romeyn Berry Cornell. The executive committee will be made up of Richard and Romeyn Berry Cornell. The executive committee will be made up of Richard and Romeyn Berry Cornell. The executive committee of the court which brought out prolonged was a one handed throw from the centre of the court which brought out prolonged appliance of the most of the most of

The GOODRICH WIRELESS TIRE

For MOTOR TRUCKS

BUILT ON STEEL



WEAR LIKE STEEL

.The construction of the Wireless Tire absolutely eliminates the Factor which causes the Breakdown of all other Types of Tires-Internal Friction of the Rubber over Metal Fastening Devices.

Note the following distinguishing Characteristics of the Wireless Tire:

The Steel Base is positively keyed to the Steel Rim of the Wheel.

The Hard Rubber Sub-Base is inseparably vulcanized into the dove-tailed Grooves of the Steel Base.

The Soft Resilient Tread cannot be torn from the Hard Rubber Sub-Base. Unlike the so-called Flange, or bolted-on Types, the Wireless Tire does not weaken the Wood Felloes by perforating them with Bolt Holes.

Wireless Tires give twice the mileage of ordinary Solid Truck Tires.

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to examine our perfected product in our Display and upon Trucks of Leading Motor Truck Manufacturers.

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Diamond

Wire mesh base—Solid Rubber Clincher and Side Wire Types

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Spliceless construction, time-tested, exclusive and Diamond Quality in every type. Backed by years of successful performance and scientific development.

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SERVICE STATIONS we are now opening in upward of 50 cities, Brooklyn, Albany, Newark, Rochester, Syracuse, etc., will give the commercial car dealer and user most valuable facilities. No waiting for stock. No delayed claims.

The Diamond Rubber Co. Akron, Ohio 1876 Broadway, New York

Willie Loftus of Glen Ridge Furnishes

Surprise. Willie Loftus of Glen Ridge, N. J., was a

newcomer who surprised the skating en-thusiasts yesterday at the St. Nicholas Rink by winning the race for midget schoolboys in a manner which indicated that it participant in ice races. It developed afterward that although only a school-boy he is considered one of the fastest skaters on Verona Lake and has won sev eral prizes in junior events in outdoor

J. Vieth of Dwight School, the winner of the senior race, had his patience re-

of the senior race, had his patience re-warded after trying for three years to capture one of the medals. Larry Bar-nett, the boy champion, would probably have won the race except for a fall he sus-tained just as he was passing the leaders. The summaries follow. Quarter Mile Race, Junior-Wen by W. Loftus, Glen Ridge, N. J., 70 yards; C. Smith, Brown School, 70 yards, second; W. Ferrich, Manhattan Institute, 50 yards, second, W. Ferrich, Manhattan Institute, 50 yards, shird, Time, 54 2 5 seconds. Haif Mile Race, Seniors-Won by J. Veith, Dwight School, 160 yards; J. Jenkins, Public School 186, 110 yards, second, J. Blum, De Witt Clinton High School, 160 yards, third. Time, 1 minute 46 1 5 seconds

Bissinger Gymnastic Coach at N. Y. U.

The gymnastic management at New York University had been getting on this year without a regular coach in view of the order of the executive committee's action a mont

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This truck is built from the ground up to suit the one purpose for which it i ended-and that only That is to act as a carrier for anything and everything, in the least possible expense.

Write for particulars.

Renault Freres Selling Branch,

The Renault Motor Truck does not fall short one iota from all that could be

PAUL LACROIX, Gen'l Mgr. Tel. Columbus 8171.

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of the executive committee's action a month
ago, but two weeks ago Manager Franklin
G. Russell circulated a paper among the
alumni and had his assistants likewise working on the campaign to raise funds. Two
weeks of this work resulted last week in
the reengagement of John F. Bissinger, the
Saturday the team will journey down to
New York.